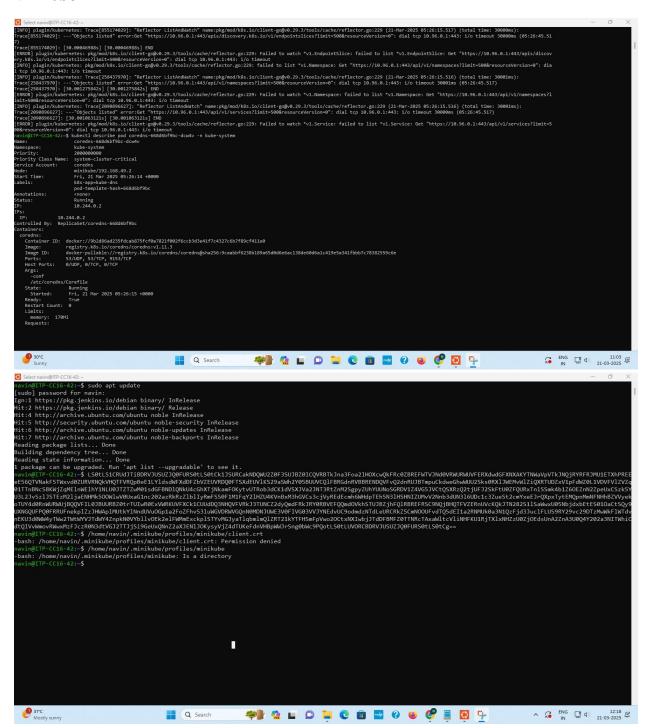
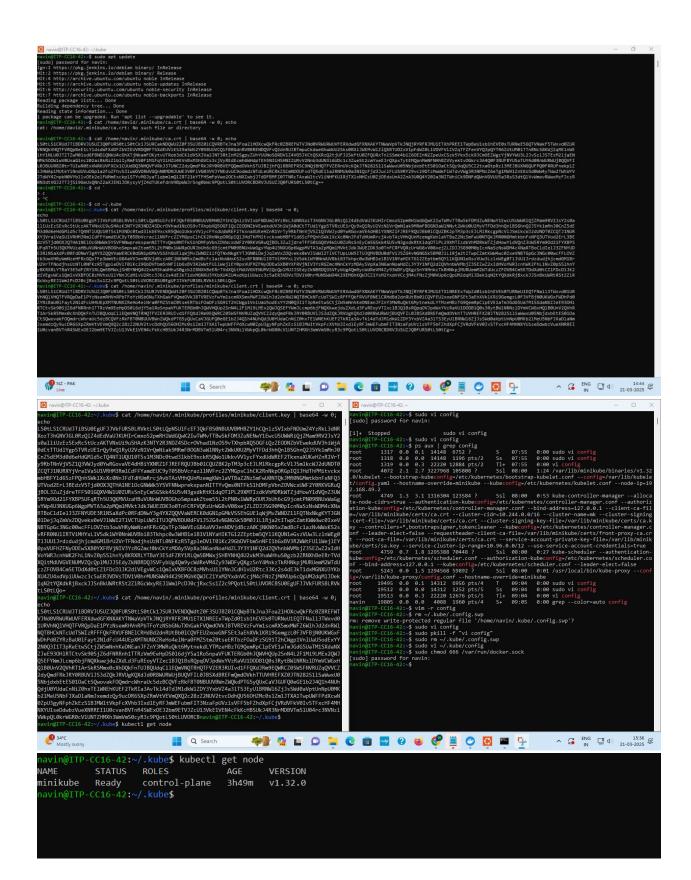
deployment.yml

```
apiVersion:apps/v1
kind: Deployment
metadata:
  name: my-deploy
 namespace:my-bank
  labels:
   name:my-deploy
spec:
  replicas:1
  selector:
   matchLabels:
      apptype:web-backend
  strategy:
    type:RollingUpdate
  template:
    metadata:
     labels:
        apptype:web-backend
    spec:
      containers:
      -name:my-web
        image:22cs1258/mysimplewebapplication:tagname
        -containerPort:9001
apiVersion:v1
kind: Service
metadata:
  name: my-service
  namespace:my-bank
  labels:
    app:my-service
spec:
  type:NodePort
  ports:
    -port:9001
      targetPort:8080
```

nodePort:30007
selector:
apptype:web-backend

Minikube





Pipelinescript-jenkins

JAVAApplication

```
pipeline {
  agent any
  stages {
    stage('scm'){
      steps{
    gitbranch:" https://github.com/NavinkumarD/Guvi-Tasks-DevOps.git"
      }
    }
    stage('builb-clean'){
      steps {
        sh"mvn clean"
}
}
    stage('build-validate'){
      steps {
        sh"mvn validate"
}
}
    stage('build-com'){
      steps {
        sh"mvn compile"
}
}
```

```
stage('build-test'){
       steps {
         sh"mvn test"
}
}
     stage('build-install'){
       steps {
         sh"mvn package"
}
}
stage('buildtoimages'){
       steps {
         script{
           sh'docker build-t.'
         }
  }
}
stage('pushtohub'){ steps
       {
         script{
          withDockerRegistry(credentialsId:'Docker_cred',url:'<a href="https://index.docker.io/v1/">https://index.docker.io/v1/</a>'){ sh
           'docker push '
         }
       }
       }
```

```
}
    stage('DeployApp'){
      steps {
        withKubeConfig(caCertificate:",clusterName:'minikube',contextName:'minikube',
credentialsId:'mukubeconfig_011',namespace:'',restrictKubeConfigAccess:false,serverUrl:
'https://192.168.49.2:8443') {
        sh'kubectlapply -fdeployment.yml --validate=false'
      }
    }
    }
  stage('Test'){
   steps {
     withKubeConfig(caCertificate: ", clusterName: 'minikube', contextName: 'minikube',
credentials Id: 'mukube config\_011', names pace: '', restrict Kube Config Access: false, server Url: \\
'https://192.168.49.2:8443') {
    sh'minikubeservicemy-service--url|xargscurl
 }
}
}
```

